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Notice of Allowability	Application No.	Applicant(s)	
	10/795,986	BINDER, YEHUDA	
	Examiner	Art Unit	
	ALEXANDER BOAKYE	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/14/2005.
2. ☒ The allowed claim(s) is/are 1-81.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>10/13/05</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 1-81 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combinations of limitations specified in the independent claims. As to claims 1-17, the prior art of record does not teach a data coupler coupled to the wiring connector and having a data signal port operative to pass only a data signal; a power supply coupled to the wiring connector and having a power signal port operative to pass only the power signal; a power supply coupled to the power signal port to the modem to be powered by the power signal from the wiring and for powering the modem.

As to claims 18-35, the prior art of record does not teach first and second data couplers each coupled to a respective one of the first and second ports, and each having a data signal port operative to pass only a data signal; means for allowing the communication of a data signal over the first wiring segment to be independent of the communication of a data signal over the second wiring segment, wherein the second power signal port is coupled to the first power signal port. As to claims 36-51, the prior art of record does not teach at least one of the wiring segments simultaneously carries both data and power signals; the first communication link carries data independent of

the second communication link; at least a second one of the nodes is powered by a power signal carried over a wiring segment connected to the second one of the nodes.

As to claims 52-67, the prior art of record does not teach first and second wiring segments, each wiring segment comprising at least two conductors; wherein each of the wiring segments connects exactly two of the nodes in a point-to-point connection, at least one of the nodes is connectable to the analog device for coupling the serial digital data carried over at least one of the wiring segments to the analog device, the analog device is a sensor or an actuator, and each of the nodes is addressable in the network.

As to claims 68-81, the prior art of record does not teach a second modem including a transmitter and a receiver coupled to the second connector for serial full-duplex communication of a digital data signal with an identical modem over the second wiring segment; a controller comprising a processor and firmware coupled to the first and second modems and an interface coupled to the controller and connectable to the analog sensor or actuator, for coupling the digital data signal carried over the first wiring segment to the analog sensor or actuator. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.

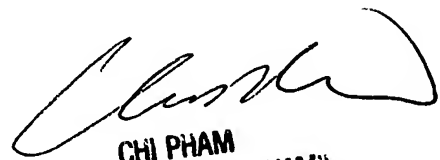
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Central Fax Number is (571) 273-8300. Any inquiry of general nature or relating to the status of this application or proceeding should be directed to Electronic Business Center numbers 866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner

ΔB

11/25/05


CHI PHAM
SUPERVISORY PATENT EXAMINER
ELECTRONIC BUSINESS CENTER
11/28/05